

AMENDMENTS TO THE CLAIMS

The listing of claims below replaces all prior versions, and listings, of claims:

1. – 19. (Cancelled)

20. (Previously Presented) A system for use in a mobile communications system,
comprising:
a receiver to receive control signaling and traffic signaling from a mobile unit;
and
a controller to:
detect whether the mobile unit is in discontinuous transmission mode,
detect for error in the received control signaling from the mobile unit and
to adjust a power control condition based on detected error in the received control signaling in
response to detecting that the mobile unit is in the discontinuous transmission mode, and
detect for error in the traffic signaling from the mobile unit and to adjust
the power control condition based on detected error in the traffic signaling in response to
detecting that the mobile unit is not in the discontinuous transmission mode.

21. (Previously Presented) The system of claim 20, wherein the control signaling
comprises a pilot channel, and the controller is adapted to detect an error in the pilot channel and
to adjust the power control condition based on the detected error in the pilot channel in response
to detecting that the mobile unit is in the discontinuous transmission mode.

22. (Original) The system of claim 21, wherein the receiver is adapted to receive
code-division multiple access control signaling.

23. (Original) The system of claim 22, wherein the receiver is adapted to receive IS-
2000 control signaling.

24. (Previously Presented) The system of claim 20, wherein the traffic signaling is
not transmitted during discontinuous transmission mode.

1 25. (Cancelled)

1 26. (Previously Presented) The system of claim 20, wherein the control and traffic
2 signaling are communicated in a reverse link between the mobile unit and a base station.

1 27. (Cancelled)

1 28. (Previously Presented) The system of claim 20, wherein the power control
2 condition comprises a target ratio of energy per bit to noise spectral density.

1 29. (Cancelled)

1 30. (Previously Presented) An article comprising one or more machine-readable
2 storage media containing instructions for performing tasks in a mobile communications system,
3 the mobile communications system having a mobile unit, a base station, and a link between the
4 mobile unit and base station, the instructions when executed causing a controller to:

5 determine whether the mobile unit is in discontinuous transmission mode;
6 detect for one or more errors in control signaling received over the link;
7 adjust a power control element based on the detected one or more errors in the
8 control signaling if the mobile unit is in the discontinuous transmission mode;
9 detect for one or more errors in traffic signaling received over the link; and
10 adjust the power control element based on the detected one or more errors in the
11 control signaling if the mobile unit is not in the discontinuous transmission mode.

1 31. (Previously Presented) The article of claim 30, wherein the one or more storage
2 media contain instructions that when executed cause the controller to increase a target ratio of
3 energy per bit to noise spectral density if an error rate exceeds a threshold.

1 32. (Original) The article of claim 31, wherein the one or more storage media contain
2 instructions that when executed cause the controller to decrease the target ratio if the error rate
3 does not exceed the threshold.

1 33. – 36. (Cancelled)

1 37. (Previously Presented) The article of claim 30, wherein detecting one or more
2 errors in the control signaling comprises detecting one or more errors in control signaling
3 received over a reverse wireless link from the mobile unit,
4 wherein adjusting the power control element based on one or more errors in the
5 control signaling of the reverse wireless link if the mobile unit is in discontinuous transmission
6 mode.

1 38. (Previously Presented) The article of claim 30, wherein detecting one or more
2 errors in the control signaling comprises detecting one or more errors in a pilot channel received
3 over a reverse wireless link from the mobile unit,
4 wherein adjusting the power control element comprises adjusting the power
5 control element based on one or more errors in the pilot channel if the mobile unit is in
6 discontinuous transmission mode.